





Name of material being tested

Description of sample source

Samples Drawn by (company)

Samples Tested by (company)

## **QUALITY CERTIFICATE**

Vessel Customer Operation BOUCHARD 120 SPRAGUE ENERGY

**ANALYSIS** 

Port Date PORTSMOUTH, NH June 3, 2002

Terminal SPRAGUE ENERGY

Report PL02-282

Reference

Sample # 893594

#6 FUEL OIL(2.0%)

TANK 1

INSPECTORATE AMERICA INSPECTORATE AMERICA

Tests being Performed	Test method	Sample Source
GRAVITY, API	ASTM D 4052	. 11.7
FLASH POINT, F.	ASTM D 93B	200+
SULPHUR, % WT.	ASTM D 4294	1.89
VISCOSITY, SSF, 122F	ASTM D 445/2161	116.3
POUR POINT, F.	ASTM D 97	5.0
WATER & SEDIMENT, % VOL.	ASTM D 1796	0.3
ASH, % WT.	<b>ASTM</b> D 482	0.09
ASPHALTINES, %WT	IP 143	8.46
J'S PER POUND	<b>ASTM</b> D 4868	18,283
BTU'S PER GALLON	CONVERSION	150,451
VANADIUM, PPM	IP 95	119
SODIUM, PPM	IP 95	40
NITROGEN, %WT	ASTM D 3228	0.439
CARBON RESIDUE % WT.	ASTM D 4530	12.39
SULPHUR, % WT.	<b>ASTM</b> D 4294	
	UPPER	1.90
	MIDDLE	1,88
	LOWER	1.88

RICK KENNEDY

Inspectorate America Corp (Portland Me.)

AB REV 1-98

Report

PL02-620







**BALTIC CHIEF** 

## **QUALITY CERTIFICATE**

Port PORTSMOUTH, NH

Customer **SPRAGUE ENERGY** Date November 27, 2002 Reference Operation **ANALYSIS SPRAGUE ENERGY** Terminal Sample # 288752

#6 FUEL OIL (2.0%) Name of material being tested

Description of sample source Samples Drawn by (company) Samples Tested by (company)

Vessel

SHORE TANK 1 INSPECTORATE AMERICA **INSPECTORATE AMERICA** 

Tests being Performed	Test method	Sample Source
GRAVITY, API	ASTM D 4052	12.9
FLASH POINT, F.	ASTM D 93B	226
SULPHUR, % WT.	ASTM D 4294	1.960
/ISCOSITY, SSF, 122F	ASTM D 445/2161	153.5
POUR POINT, F.	ASTM D 97	37.4
NATER & SEDIMENT, % VOL.	ASTM D 1796	0.1
ASH, % WT.	<b>ASTM</b> D 482	0.060
`SPHALTINES, %WT	ASTM D 6560	7.90
(U'S PER POUND	ASTM D 4868	18,376
BTU'S PER GALLON	CONVERSION	149,968
/ANADIUM, PPM	IP 95	24
SODIUM, PPM	IP 95	42
IITROGEN, %WT	ASTM D 3228M	0.488
CARBON RESIDUE % WT.	ASTM D 4530	11.43
SULPHUR, % WT.	ASTM D 4294	
3279	UPPER	1.966
3280	MIDDLE	1.954
3281	LOWER	1.959

THE ATTACHED CERTIFICATE REPRESENTS THE PRODUCT INSPECTED BY THE INSPECTION SERVICE ON THE DATE STATED ON THE CERTIFICATE IN THE TANK STATED BY THE INSPECTION SERVICE. SPRAGUE REPRESENTS THAT ANY PRODUCT IT MAY SELL AT THE RACK MAY DIFFER FROM SUCH INSPECTION CERTIFICATE BUT SUCH PRODUCT SHALL MEET THE SPECIFICATIONS AS MAY BE REQUIRED BY ANY APPLICABLE REGULATIONS WITHIN THE STATE THAT THE PRODUCT IS SOLD.

Inspectorate America Corp (Portland Me.)